



Figure S3. *Silicibacter* sp. TrichCH4B two-component phosphorelay signaling system.

SiliHK is a hybrid histidine kinase, which has a receiver domain containing an aspartate phosphoryl acceptor. A separate Hpt protein is required as an intermediary for phosphotransfer from the receiver domain of SiliHK to the receiver domain of the response regulator SiliDGC.